

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (once amended): A declogging device (9) ~~characterized with comprising a~~ chemical substance tank (10) which is filled with ~~the a~~ cleansing chemical substance used to eliminate ~~the a~~ clogging in the refrigeration cycle (1) where ~~the a~~ refrigeration fluid circulates, a pressurized gas tube (11) which provides pressurized gas to the chemical substance tank (10) and a collection tank (13) where the cleansing chemical substance ~~completed its cycle~~ is collected.

Claim 2 (once amended) A declogging device (9) as in ~~Claims claim 1~~ characterized with further comprising a transmission pipe (12) which transfers the cleansing chemical substance to the refrigeration cycle (1), a pre-filter (19) which is used to filter ~~the foreign matters mixed~~ when the cleansing chemical substance is filled and wherein the a chemical substance tank (10) ~~comprising further comprises~~ an injection pipe (20) which provides a pressurized exit of the cleansing chemical substance from the chemical substance tank under sufficient pressure.

Claim 3 (once amended) A declogging device (9) as in Claim 1 and 2 characterized with a wherein the chemical substance tank (10) ~~comprising further comprising~~ a chemical substance heater (22) which facilitates the transfer of the cleansing chemical substance.

Claim 4 (once amended): A declogging device (9) as in Claim 1 ~~characterized with a~~

wherein the collection tank (13) ~~comprising~~ comprises a collector pipe (14) which returns the cleansing chemical substance from the refrigeration cycle (1) and further comprises a final filter (21) which provides ~~thea~~ reuse of the cleansing chemical substance by filtering the foreign matters after its circulation in the refrigeration cycle (1).

Claim 5 (once amended): A declogging device (9) as in Claim 1 ~~characterized with~~ wherein the pressurized gas tube (11) ~~which~~ further comprises Nitrogen as a pressurized gas.

Claim 6 (once amended): A declogging device (9) as in Claim 1 ~~characterized with~~ wherein the chemical substance tank (10) ~~which~~ further comprises Acetone as a cleansing chemical substance.

Claim 7 (once amended): A declogging device (9) as in Claim 1 ~~characterized with~~ wherein the chemical substance tank (10) ~~which~~ further comprises Hexane as a cleansing chemical substance.

Claim 8 (once amended): declogging device (9) as in Claim 1 ~~characterized with~~ wherein the chemical substance tank (10) ~~which~~ further comprises Alcohol as a cleansing chemical substance.

Claim 9 (once amended): A declogging device (9) as in Claim 1 ~~characterized with~~ wherein the chemical substance tank (10) ~~which~~ further comprises Chloroform as a cleansing chemical substance.

Claim 10 (once amended): A declogging method for a of using the declogging device (9) in any of the Claims above claim 1 comprising the steps of thea detachment of thea compressor (2) and thea dryer (5) from the refrigeration cycle (1) and split of the passage line (7) from thea return line (8) for the preparation of the clogged refrigeration cycle (1) for thea declogging process.

Claim 11 (once amended): . A declogging method for a of using the declogging declogging device (9) as in Claim 10 comprising the steps of thea connection of the transmission pipe (12) and thea collector pipe (14) to the passage line inlet (15) and thea passage line outlet (16) respectively for the declogging of thea passage line (7), transfer of the cleansing chemical substance from thea chemical substance tank (10) to the passage line (7) by opening thea gas tube, in case it is not declogged, the increase of the pressure and/or the reverse pass of the cleansing chemical substance by connecting the transmission pipe (12) and the collector pipe (14) to the passage line outlet (16) and the passage line inlet (15) respectively, pass of certain amount of the cleansing chemical substance from the passage line (7) for the cleaning process, in case it is not cleaned sufficiently, leaving the cleansing chemical substance at the passage line (7) for a while and continuation of the pass of the cleansing chemical substance from the passage line (7) until it returns clean.

Claim 12 (once amended): A declogging method for a of using the declogging declogging device (9) as in Claim 10 or 11 comprising the steps of the connection of the

transmission pipe (12) and the collector pipe (14) to the return line inlet (17) and the return line outlet (18) respectively for the declogging of the return line (8), transfer of the cleansing chemical substance from the substance tank (10) to the return line (8) by opening the gas tube, in case it is not declogged, the increase of the pressure and/or the reverse pass of the cleansing chemical substance by connecting the transmission pipe (12) and the collector pipe (14) to the return line outlet (18) and the return line inlet (17) respectively, pass of certain amount of the cleansing chemical substance from the return line (8) for the cleaning process, in case it is not cleaned sufficiently, leaving the cleansing chemical substance at the return line (8) for a while and continuation of the pass of the cleansing chemical substance from the return line (8) until it returns clean.

Claim 13 (new): A declogging method of using the declogging device (9) including a chemical substance tank (10) which is filled with a cleansing chemical substance used to eliminate clogging in a refrigeration cycle (1) where a refrigeration fluid circulates, a pressurized gas tube (11) which provides pressurized gas to the chemical substance tank (10) and a collection tank (13) where the cleansing chemical substance is collected after completing its cycle comprising the steps of a detachment of the compressor (2) and a dryer (5) from a refrigeration cycle (1) and split of a passage line (7) from a return line (8) for ta preparation of the clogged refrigeration cycle (1) for a declogging process and wherein a connection of a transmission pipe (12) and a collector pipe (14) to a passage line inlet (15) and a passage line outlet (16) respectively for the declogging process of the passage line (7), transfer of the cleansing chemical substance from the substance tank (10) to the passage line (7) by opening the gas tube, in case it is not declogged, the

increase of the pressure and/or the reverse pass of the cleansing chemical substance by connecting the transmission pipe (12) and the collector pipe (14) to the passage line outlet (16) and the passage line inlet (15) respectively, pass of certain amount of the cleansing chemical substance from the passage line (7) for the cleaning process, in case it is not cleaned sufficiently, leaving the cleansing chemical substance at the passage line (7) for a while and continuation of the pass of the cleansing chemical substance from the passage line (7) until it returns clean.

Claim 14 (new): A declogging method of using the declogging device (9) as in Claim 11 comprising the steps of the connection of the transmission pipe (12) and the collector pipe (14) to the return line inlet (17) and the return line outlet (18) respectively for the declogging of the return line (8), transfer of the cleansing chemical substance from the substance tank (10) to the return line (8) by opening the gas tube, in case it is not declogged, the increase of the pressure and/or the reverse pass of the cleansing chemical substance by connecting the transmission pipe (12) and the collector pipe (14) to the return line outlet (18) and the return line inlet (17) respectively, pass of certain amount of the cleansing chemical substance from the return line (8) for the cleaning process, in case it is not cleaned sufficiently, leaving the cleansing chemical substance at the return line (8) for a while and continuation of the pass of the cleansing chemical substance from the return line (8) until it returns clean.